

IN THE CLAIMS:

23. (Currently amended) An interior panel of an aircraft passenger cabin, with which an outer skin of an aircraft is filled; which arrangement will provide protection against fire, the interior panelling comprising:

honeycomb panelling, wherein the honeycomb panelling comprises:

comprising at least two layers one layer of a honeycomb body formation each of the at least two layers of the honeycomb body formation being made of a plurality of several honeycomb cells arranged side by side, each of the at least two layers of the honeycomb body formation having an end of a cross section of the honeycomb body supported by and adhered to a cover layer such that the honeycomb panelling is formed of the at least two layers of the honeycomb body formation sandwiched between a top-supported cover layer facing the passenger cabin, and a bottom-supported cover layer facing a space on a side opposite to the passenger cabin, and the honeycomb panelling extends with the outer skin of the aircraft to follow the curvature of the outer skin, and each of the at least two layers of the honeycomb body formation is made of a paper or an aramide or a combination thereof and the cover layer is made of at least one carbon fiber reinforced plastics layers or at least one glass fiber reinforced plastics layer or both is positioned on each face of the honeycomb body;

a burn-through-proof foil arranged such that the burn-through-proof foil conforms to an outer surface of the bottom-supported cover layer facing the space carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer, and

at least one burn-through-proof barrier layer is adhesively sandwiched between two of the at least two layers of the honeycomb body formation.

24. (Currently amended) The interior panel of claim 23, wherein ~~at least one burn through-proof barrier layer is adhesively sandwiched between a pair of honeycomb bodies and~~ at least one of the at least two layers of the honeycomb bodies body formation is made of paper.

25. (Currently amended) The interior panel of claim 23, wherein ~~the at least one honeycomb body is at least two honeycomb bodies, and each honeycomb body has at least one~~

~~cover layer~~ an inner cover layer adhered to the opposite end of the cross section of each of the at least two honeycomb body formations is made of carbon fiber reinforced plastics such that the at least two layers of the honeycomb body formation ~~bodies~~ adhesively sandwiches the respective inner ~~at least two~~ cover layers between the at least two layers of the honeycomb body formation forming the at least one burn-through-proof barrier layer ~~bodies~~.

26. (Currently amended) The interior panel of claim 25, wherein the honeycomb panelling includes more than two of the at least two additional layers of the honeycomb body formation, each of the more than two of the at least two layers of honeycomb bodies adhesively sandwiching the respective inner cover layers made of carbon fiber reinforced plastics between adjacent ones of the more than two of the at least two layers ~~and adjacent to each other~~ in series, wherein two of the inner cover layers which are adjacent to each other and lying one on top of the other are glued one to the other.

27. (Previously presented) The interior panel of claim 23, further comprising a first burn-through-proof carbon fiber reinforced plastics insulation layer is glued onto an outer surface of the top-supported cover layer or the bottom-supported cover layer or both which comprises a plurality of burn-through-proof carbon fiber reinforced plastics insulation layers which ends the layer design of the honeycomb panelling.

28. (Currently amended) The interior panel of ~~claim 23~~ claim 24, wherein the at least one burn-through-proof barrier layer comprises a plurality of carbon fiber reinforced plastics barrier layers.

29. (Currently amended) The interior panel of claim 23, wherein each of the layers of the honeycomb body formation is made of an aramide.

30. (Currently amended) The interior panel of claim 26, wherein each of the at least two cover layers is a carbon fiber reinforced plastics insulation layer.

31. (Cancelled)

32. (Cancelled)

33. (Previously presented) The interior panel of claim 28, wherein the plurality of carbon fiber reinforced plastics barrier layers are of a burn-through-proof plastic foil.

34. (Currently amended) The interior panel of claim 23, wherein an adhesive bond between each of the at least two layers of the honeycomb body formation and the respective cover layer is implemented using a burn-through-proof adhesive.

35. (Previously presented) The interior panel of claim 34, wherein the adhesive bond is non-detachable and burn-through proof.

36. (Currently amended) The interior panel of claim 23, further comprising an insulation package arranged on the bottom-supported cover layer facing the space on the side opposite to the passenger cabin, the bottom-supported cover layer being made of a glass fiber reinforced plastics layer or a carbon fiber reinforced plastics layer supported below the honeycomb formation or the burn-through-proof carbon fiber reinforced plastics insulation layer whose outer surface faces the outer skin, wherein the insulation package comprises a burn-through-proof insulation or a combustible glass fiber reinforced plastics insulation into which a burn-through-proof barrier layer is integrated, and extends, without interruption, through the carbon fiber reinforced plastics insulation right to the circumference of the insulation.

37. (Currently amended) The interior panel of claim 36, wherein the bottom-supported cover layer glass fiber reinforced plastics cover layer and the burn-through-proof carbon fiber reinforced plastics insulation layer comprise includes a threaded drill hole which extends

substantially perpendicularly to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

38. (Previously Presented) The interior panel of claim 36, wherein the insulation package comprises a hole-like leadthrough which is substantially congruently aligned with a threaded drill hole, provided the insulation package is aligned to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

39. (Previously Presented) The interior panel of claim 38, wherein the insulation package is attached to the bottom-supported glass fiber reinforced plastics cover layer by means of a burn-through-proof connection element which is fed through the hole-like leadthrough and which can be screwed into the threaded drill hole.

40. (Currently amended) Insulation system for an outer skin of a vehicle, comprising:
a plurality of honeycomb cells arranged side by side forming[[,]]
~~each of the plurality of honeycombs having~~ a honeycomb body having a
top face and a bottom face, and

a top-supported cover layer glued on the top face for facing an interior of the vehicle
and

a bottom-supported cover layer glued on the bottom face
wherein the honeycomb body ~~of each of the plurality of honeycombs~~ is a paper
honeycomb or an aramide honeycomb; and

at least two carbon fiber reinforced plastics layers;
wherein the at least two carbon fiber reinforced plastics layers are arranged on opposite
sides of the plurality of honeycombs, such that at least one of the at least two carbon fiber
reinforced plastics layers is disposed on the outermost top face of at least one of the honeycomb
bodies and at least one of the at least two carbon fiber reinforced plastics layers is disposed on
the outermost bottom face of at least one of the honeycomb bodies, without any metal layers.

41. (Presented previously) The insulation system of claim 40, wherein the at least two carbon fiber reinforced plastics layers includes at least one carbon fiber reinforced plastics layer glued to the top face of each of the honeycomb bodies and at least one carbon fiber reinforced plastics layer glued to the bottom face of each of the honeycomb bodies.

42. (Currently amended) The insulation system of claim 40, wherein the top-supported cover layer or the bottom-supported cover layer further comprise:

a further carbon fiber reinforced plastics layer, a glass fiber reinforced plastics layer, a further honeycomb body additionally stacked on and glued to the honeycomb body ~~plurality of honeycombs~~ or a combination thereof.

43. (Previously Presented) The interior panel of claim 36, wherein the insulation package comprises a burn-through-proof insulation, and the burn-through-proof insulation is enclosed by a burn-through-proof foil or is layered with a combustible glass fiber reinforced plastics insulation.

44. (Previously Presented) The interior panel of claim 43, wherein the bottom-supported glass fiber reinforced plastics cover layer and the burn-through-proof carbon fiber reinforced plastics insulation layer comprise a threaded drill hole which extends substantially perpendicularly to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

45. (Previously Presented) The interior panel of claim 43, wherein the insulation package comprises a hole-like leadthrough which is substantially congruently aligned with a threaded drill hole, provided the insulation package is aligned to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

46. (Previously Presented) The interior panel of claim 45, wherein the insulation package is attached to the bottom-supported cover layer by means of a burn-through-proof connection

element which is fed through the hole-like leadthrough and which can be screwed into the threaded drill hole.